Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/17/2021 09:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124040	-1	1.76	123964	1.71
Blue	F	SSC	125000	124549	-1	2.46	125060	2.24
Blue	E	FITC	14284	13907	-3	2.69	389	14.12
Blue	D	PE	23919	23365	-3	2.26	555	11.02
Blue	B	PerCP-Cy5-5	31332	31043	-1	3.33	886	15.26
Blue	A	PE-Cy7	22272	22121	-1	5.33	463	31.02
Red	C	APC	47768	47086	-2	2.72	1622	11.61
Red	A	APC-Cy7	25313	24463	-4	3.10	691	12.31
Violet	B	V450	7085	6714	-6	3.71	468	11.49
Violet	A	V500	26969	26051	-4	3.28	891	8.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23727	3.99	588	-1	N/A	N/A	Pass
Blue	F	SSC	55702	2.20	525	4	N/A	N/A	Pass
Blue	E	FITC	58	54.24	496	-5	0.0375	13	Pass
Blue	D	PE	108	39.02	492	-5	0.3281	221	Pass
Blue	B	PerCP-Cy5-5	138	44.33	583	-5	0.0195	129	Pass
Blue	A	PE-Cy7	78	80.87	629	-6	0.0216	3	Pass
Red	C	APC	340	27.10	579	-1	0.0283	281	Pass
Red	A	APC-Cy7	129	36.37	552	-3	0.0067	1947	Pass
Violet	B	V450	80	48.03	451	-12	0.0612	2719	Pass
Violet	A	V500	106	33.12	463	-11	0.0256	1302	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.86	-31.74	1.14
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	15.65	13.60 - 20.40	N/A	N/A	30.21	30.40	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10062

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments